



Environmental Friendly Catalysts for Energy and Pollution Control Applications

Guest Editors:

Prof. Dr. José Ignacio Lombraña

Department of Chemical Engineering, Faculty of Science and Technology, University of the Basque Country (UPV/EHU), P.O. Box 644, 48080 Bilbao, Spain

Prof. Dr. Héctor Valdés

Clean Technologies Laboratory, Engineering Faculty, Catholic University of the Most Holy Conception, Alonso de Ribera 2850, Concepción, Bio Bio, Chile

Dr. Cristian Ferreiro

Department of Chemical Engineering, Faculty of Science and Technology, University of the Basque Country (UPV/EHU), P.O. Box 644, 48080 Bilbao, Spain

Message from the Guest Editors

A great variety of catalytic materials which include single metals as well as mixed metals (and their oxides) are currently being used either supported over alumina, silica, titania, ceria, zirconia, activated carbons, and zeolites, or directly attached to the reactor itself, allowing their continuous use and avoiding waste emissions. Similar cases are being found in Fenton catalysis, converted into EFCs, through heterogeneous Fenton-like variants. Moreover, the combined use of catalysts with UV/solar irradiation or in combination with O_3 and H_2O_2 will always be preferable to that of other oxidant agents (persulfates). In the case of metal–organic framework (MOFs) type catalysts, research is being redirected towards designs that allow their recycling. In new nanostructured functional catalysts with varied applications, a marked tendency is being observed to develop materials, which allow multiple reuse in different operating cycles with high efficiency and selectivity. This Special Issue addresses the aforementioned topics.

Deadline for manuscript submissions:

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